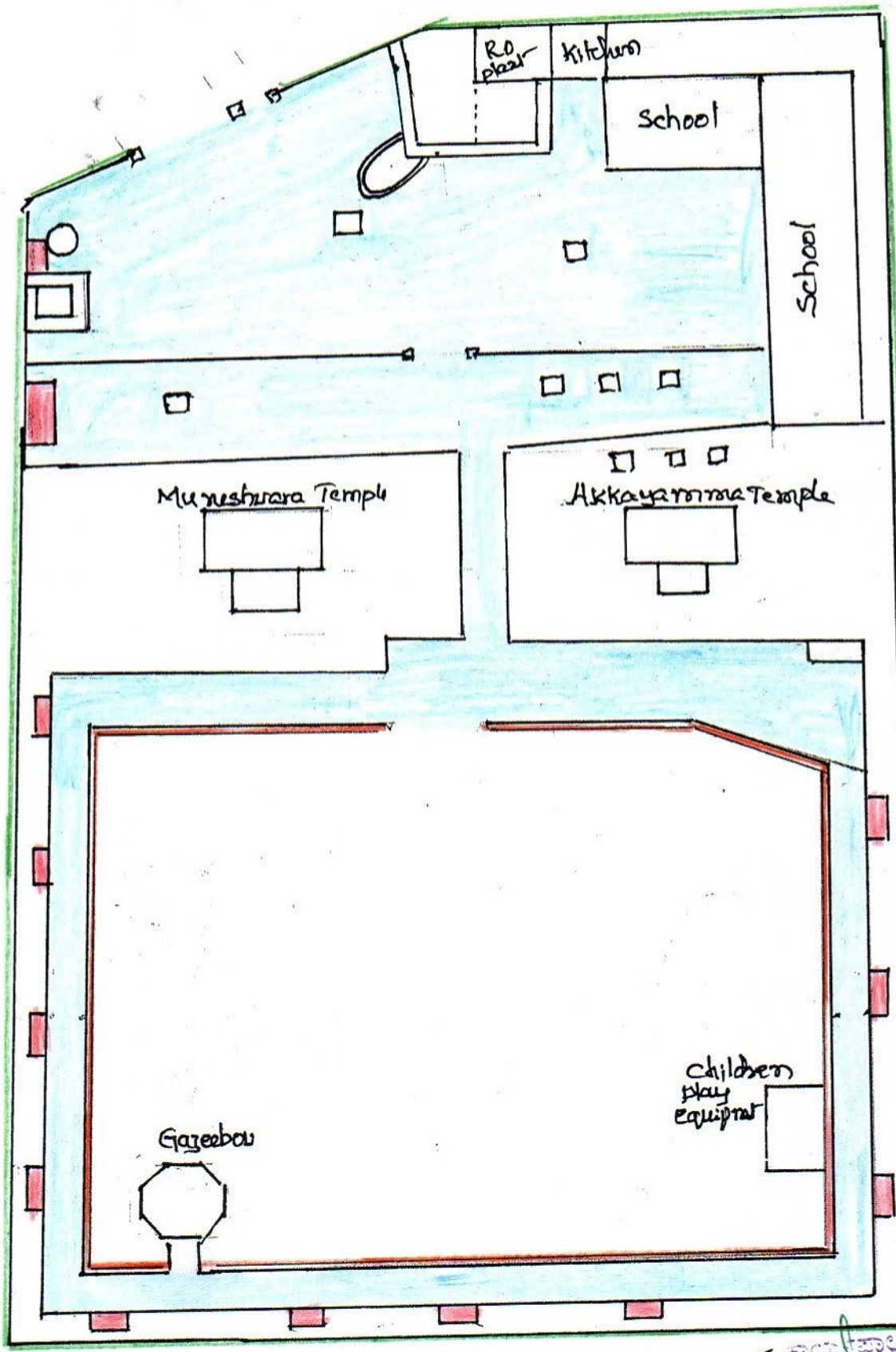
Name of work: Modified estimate for development of park and construction of watch man room at Siddahalli Govt School Park in Dasarahalli zone.



Borders
- Granite stone bench
- cobbe stone
- Fencing
- MS Grill

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

PROJECT .DIVISION.

Estimate

Name of Work :- Modified Estimate for Development of park and Construction of watchmen room at Sidedahalli Govt. School Park in Dasarahalli zone.

Est.Cost: 58.11 Lakhs

BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI DIVISION

Name of work_ :- Modified Estimate for Development of park and Construction of watchmen room at Sidedahalli Govt. School Park in Dasarahalli zone.

Detailed Estimate

Estimate Cost : 58,11109.00

Sl No	Description of work	Unit	No	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 200-8.Clearing and grubbing thorney jungle including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.								
	SR : 2018-19 Page No : 138		Item No : 18.12						
	Fencing Side	**Sqm**							
	South side		1	30.00	2.00		60.00		
			1	30.00	2.00		60.00		
			1	25.00	2.00		50.00		
				Total Quantity			**170.00**		
				Schedule B Quantity			170.00		
				Quantity Up to 125%			170.00	15.00	2550.00
2	Removing and resetting of kerb stones								
	SR : 2018-19 Page No : 270		Item No : 37.57						
	For Kerb (Inside Park)	**Mtr**							
	Kerb outer Circle East Side		1	28.95			28.95		
			1	26.50			26.50		
	West Side		1	38.80			38.80		
	North Side		1	35.50			35.50		
	South side		1	41.80			41.80		
	For Shoulder Drain		2	2.50			5.00		
	Kerb Inner Circle East Side		1	27.15			27.15		
	West Side		1	33.80			33.80		
	North Side		1	30.00			30.00		
	South side		1	30.00			30.00		
							297.50		
	Deduction for Damaged kerbs 20%						**59.50**		
				Total Quantity			**206.45**		
				Schedule B Quantity			**318.40**		
				Quantity Up to 125%			**206.45**	99.00	20438.55
3	Removing and resetting of footpath slab								
	SR : 2018-19 Page No : 270		Item No : 37.56						
	For Pathway (Inside Park)	**Sqm**							
	East Side		1	13.00	2.50		32.50		
			1	9.80	3.75		36.75		
			1	6.60	6.55		43.23		
	West Side		1	39.50	2.50		98.75		
	North Side		1	32.50	2.50		81.25		
	South Side		1	30.00	2.50		75.00		
	Between Temples		1	4.20	3.95		16.59		
							384.07		
	Deduction for Damaged Cobble Stones @ 20%						**76.81**		
				Total Quantity			**307.26**		

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Civil Aim Consultants and Engineers

Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
				Schedule B Quantity			349.265		
				Quantity Up to 125%			307.26	180.00	55306.08
4	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.								
	SR : 2018-19 Page No : 143		Item No : 19.1						
	Earthwork for Kerb	Cum							
	For Kerb (Inside Park)								
	Kerb outer Circle		1	140.70	0.20	0.15	4.22		
	For Shoulder Drain		2	2.50	0.20	0.15	0.15		
	Kerb Inner Circle		1	120.95	0.20	0.15	3.63		
	For Kerb New								
	In between Temple		1	11.00	0.20	0.15	0.33		
			1	14.70	0.20	0.15	0.44		
	Around Tree		1	11.30	0.20	0.15	0.34		
	For Children play equipment plat form		1	9.00	0.20	0.15	0.27		
			2	7.00	0.20	0.15	0.42		
	For Pathway (Inside Park)								
			1	30.00	2.50	0.20	15.00		
			1	39.70	2.50	0.20	19.85		
			1	28.70	2.45	0.20	14.06		
			1	15.60	2.45	0.20	7.64		
			1	3.20	4.25	0.20	2.72		
			1	7.75	5.88	0.20	9.11		
	Brtween Temple		1	13.00	4.00	0.30	15.60		
	F/S of Temple		1	7.40	9.40	0.30	20.87		
			1	15.50	3.57	0.30	16.60		
	F/S of School		1	9.70	7.00	0.30	20.37		
			1	4.90	3.60	0.30	5.29		
			1	20.80	13.15	0.30	82.06		
	Entrance		1	7.20	5.04	0.30	10.89		
	Stone Benches Plat form		12	4.05	1.40	0.20	13.61		
				Total Quantity			263.37		
				Schedule B Quantity			193.18		
				Quantity Up to 125%			241.48	180.00	43465.50
				Quantity Above 125%			21.90	180.00	3941.10
5	Earthwork For Hard Soil in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications, specification. No. KBS 2 .1 (a)/2.3.1								
	SR : 2018-19 Page No : 6		Item No : 2.2						
	For Katte (Around Tree)	Cum							
			1	13.00	0.75	1.00	9.75		
	For Gazebo								
	Columns footings		8	1.20	1.20	1.20	13.82		
	Foundation		1	18.85	0.90	0.75	12.72		
	Deduct column footings		-8	0.90	0.90	0.75	-4.86		

Sl No	Description of work	Unit	No	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Amount in Rs.
	For Rain Water Harvesting								
			1	3.14*1.5*1.5/4		3.00	5.30		
	Chamber For Bore well		1	1.20	1.20	1.50	2.16		
				Total Quantity			38.90		
				Schedule B Quantity			48.165		
				Quantity Up to 125%			38.90	390.00	15170.12
6	Earthwork for Oridinary soil in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications, specification. No. KBS 2 .1 (a)/2.3.1								
	SR : 2018-19 Page No : 6		Item No : 2.1						
	Inside Park Area	Cum	1	30.00	29.00	0.20	174.00		
	Disilting								
	Park Front		1	30.00	0.60	0.40	7.20		
	Providing New Grill Work								
	Around Park (Inside Kerb)		100	0.30	0.30	0.60	5.40		
	On Compound wall								
	East Side		1	29.50	0.45	0.30	3.98		
	West Side		1	45.00	0.45	0.30	6.08		
	North Side		1	79.00	0.45	0.30	10.67		
	South Side		1	85.00	0.45	0.30	11.48		
	Near School		0.5	8.60	7.40	0.80	25.46		
			1	3.80	4.70	0.80	14.29		
				Total Quantity			258.54		
				Schedule B Quantity			123.794		
				Quantity Up to 125%			154.74	300.00	46422.75
				Quantity Above 125%			103.80	300.00	31139.7
7	100 mm and down nominal size								
	SR : 2018-19 Page No : I		Item No : 23				Code No : 0175		
	For Rain Water Harvesting	Cum							
	3.14x1.2x1.2/4		1	3.14	0.56	0.75	1.32		
				Total Quantity			1.32		
				Schedule B Quantity			0.54		673.2
				Quantity Up to 125%			0.68	990.00	668.25
				Quantity Above 125%			0.64	990.00	638.19
									623.6
8	40 mm nominal size								
	SR : 2018-19 Page No : II		Item No : 25				Code No : 0750		
	For Rain Water Harvesting	Cum							
			1	3.14	0.56	0.75	1.32		
				Total Quantity			1.32		
				Schedule B Quantity			0.54		
				Quantity Up to 125%			0.675	1000.00	675.00
				Quantity Above 125%			0.645	1000.00	644.64
9	20 mm nominal size								
	SR : 2018-19 Page No : II		Item No : 28				Code No : 0749		
	For Rain Water Harvesting	Cum							
			1	3.14	0.56	0.75	1.32		
				Total Quantity			1.32		

Sl No	Description of work	Unit	No	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Amount in Rs.
				Schedule B Quantity			0.54		
				Quantity Up to 125%			0.675	999.00	674.33
				Quantity Above 125%			0.645	999.00	644.00
10	6 mm nominal size								
	SR : 2018-19 Page No : II		Item No : 31				Code No : 0707		
	For Rain Water Harvesting	Cum							
			1	3.14	0.56	0.75	1.32		
				Total Quantity			1.32		
				Schedule B Quantity			0.54		
				Quantity Up to 125%			0.675	999.00	674.33
				Quantity Above 125%			0.645	999.00	644.00
11	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2including cost of materials, labour, HOM complete as per specifications, curing complete as per specifications.								
	SR : 2018-19 Page No : 255		Item No : 34.7.8						
	1200mm Dia	m							
			1	3.00			3.00		
				Total Quantity			3.00		
				Schedule B Quantity			3.00		
				Quantity Up to 125%			3.00	5500.00	16500.00
12	Sand filling in wells complete as per drawing and technical specifications including cost of all materials, labour, HOM, form works, scaffolding & centering complete as per specifications. MORTH Specification No. 1207								
	SR : 2018-19 Page No : 217		Item No : 26.124						
	For Play Area Near School	Cum							
			0.5	8.60	7.40	0.15	4.77		
			1	3.80	4.40	0.15	2.51		
	For Children Play Area		1	9.00	7.00	0.15	9.45		
				Total Quantity			16.73		
				Schedule B Quantity			42.41		
				Quantity Up to 125%			16.73	1900.00	31788.90
13	Providing, laying, spreading and compacting cushed stone aggregates of granite /trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
	SR : 2018-19 Page No : 155		Item No : 20.18						
	For Pathway (Inside Park)	Cum							
			1	30.00	2.50	0.15	11.25		
			1	39.70	2.50	0.15	14.89		
			1	28.70	2.45	0.15	10.55		
			1	5.25	3.90	0.15	3.07		
			1	3.20	4.25	0.15	2.04		
			1	7.75	5.88	0.15	6.84		
			1	13.00	4.00	0.15	7.80		
	F/S of Temple		1	7.40	9.40	0.15	10.43		
			1	15.50	3.55	0.15	8.25		
	F/S of School		1	9.70	4.85	0.15	7.06		

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Sl No	Description of work	Unit	No	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Amount in Rs.
			1	8.00	8.10	0.15	9.72		
			1	20.80	13.15	0.15	41.03		
	Entrance		1	7.20	3.90	0.15	4.21		
				Total Quantity			137.14		
				Schedule B Quantity			160.289		
				Quantity Up to 125%			137.14	1700.00	233131.20
14	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1,4.2								
	SR : 2018-19 Page No : 13		Item No : 4.7						
	For Kerb (Inside Park)	**Cum**							
	Kerb outer Circle		1	140.70	0.20	0.10	2.81		
	For Shoulder Drain		2	2.50	0.20	0.10	0.10		
	Kerb Inner Circle		1	121.40	0.20	0.10	2.43		
	For Kerb between temples (New Kerbs		1	13.00	0.20	0.10	0.26		
			1	14.70	0.20	0.10	0.29		
	For Children play equipment plat form		1	12.00	0.20	0.15	0.36		
			1	5.00	0.20	0.15	0.15		
	Around Tree		1	11.30	0.20	0.10	0.23		
	Providing New Grill Work								
	Around Park (Inside Kerb)		100	0.30	0.30	0.15	1.35		
	For Katte (Around Tree)								
			1	12.40	0.75	0.15	1.40		
	For Gazebo								
	Columns Footings		8	1.20	1.20	0.15	1.73		
	Foundation		1	18.85	0.90	0.15	2.54		
	Flooring		1	3.142	9.00	0.15	4.24		
	For Stonr Benches Plat form		12	4.250	1.40	0.10	7.14		
				Total Quantity			25.03		
				Schedule B Quantity			24.654		125150.0
				Quantity Up to 125%			25.03	5000.00	125157.25
15	Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.								
	SR : 2018-19 Page No : 14		Item No : 4.11						
	For Katte (Around Tree)	**Cum**							
			1	12.60	0.45	0.10	0.57		
	For Gazebo								
	Columns		8	0.60	0.60	1.00	2.88		
	Plinth of Gazeebow		1	18.85	0.45	0.20	1.70		

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Sl No	Description of work	Unit	No	Dimensions L in m	B in m	D in m	Quantity	Rate in Rs.	Amount in Rs.
	Floor of Gazeebow		1	3.14	9.00	0.10	2.83		
	All round Gazeebow		8	2.40	0.60	0.10	1.15		
	damaged column pipes of Chain link fencing		12	0.45	0.45	0.45	1.09		
	For Stone Benches Plat form		13	4.25	1.40	0.10	7.74		
	Plinth on Compound wall								
	East Side		1	29.50	0.45	0.10	1.33		
	West Side		1	47.50	0.45	0.10	2.14		
	North Side		1	80.60	0.45	0.10	3.63		
	South Side		1	85.00	0.45	0.10	3.83		
	Gate Columns		2	0.60	0.60	0.60	0.43		
			2	0.45	0.45	0.60	0.24		
	For Flag Pole		1	0.45	0.45	0.90	0.18		
	Children Equipment base		13	0.30	0.30	0.45	0.53		
			10	0.30	0.30	0.45	0.41		
	For fixing Grill around kerb		100	0.30	0.30	0.45	4.05		
	For Katte (Around Tree)		1	12.60	0.45	0.10	0.57		
				Total Quantity			35.27		
				Schedule B Quantity			7.841		53900/-
				Quantity Up to 125%			9.80	5500.00	53906.88
				Quantity Above 125%			25.47	5500.00	140103.15
16	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3								140085/-
	SR : 2018-19 Page No : 14		Item No : 4.46.2						
	M20 Qty	Tonne	6.62						
	For Gazebo		100Kg/cum	662.00			662.00		
				Total Quantity			0.66		
				Schedule B Quantity			0.78		
				Quantity Up to 125%			0.66	68000.00	45016.00
17	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.								44880/-
	SR : 2018-19 Page No : 16		Item No : 4.31						
	For Katte (Around Tree)	Sqm							
			2	12.60		0.10	2.52		
	For Gazebo								
	Columns		8	2.40		1.00	19.20		
	Foundation		2	16.00		0.20	6.40		
	For New Fencing								
	Columns		24	1.80		0.45	19.44		
	For Granite Stone Benches		26	4.25		0.10	11.05		
			26	1.40		0.10	3.64		
	Plinth on Compound wall								
	East Side		1	29.50		0.10	2.95		
	West Side		1	47.00		0.10	4.70		

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Sl No	Description of work	Unit	No	Dimensions L in m	Dimensions B in m	Dimensions D in m	Quantity	Rate in Rs.	Amount in Rs.
	North Side		1	82.00		0.10	8.20		
	South Side		1	85.00		0.10	8.50		
				Total Quantity			97.67		
				Schedule B Quantity			35.42		
				Quantity Up to 125%			44.28	350.00	15496.25
				Quantity Above 125%			53.40	350.00	18688.25
18	Providing and constructing granite / trap / basalt size stone masonry do - cement mortar 1:6 in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	SR : 2018-19 Page No : 25		Item No : 5.6						
	For Katte (Around Tree)	cum							
			1	12.40	0.75	0.20	1.86		
			1	12.40	0.60	0.20	1.49		
			1	12.40	0.45	0.40	2.23		
	For Gazebo								
	Foundation		1	14.05	0.75	0.40	4.22		
			1	14.05	0.60	0.20	1.69		
			1	14.05	0.45	0.20	1.26		
	Rising of Compound Wall Allround								
	North Side		1	79.00	0.45	0.30	10.67		
	East Side		1	29.50	0.45	0.20	2.66		
	West Side		1	45.00	0.45	0.30	6.08		
	South Side		1	85.00	0.45	0.40	15.30		
				Total Quantity			47.44		
				Schedule B Quantity			20.676		
				Quantity Up to 125%			25.85	4450.00	115010.25
				Quantity Above 125%			21.60	4450.00	96099.98
19	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.								
	SR : 2018-19 Page No : 27		Item No : 5.30						
	For New Kerb	No,s							
	Damaged Portion 20%		1	53.40					
	For Kerb between temples (New Kerbs		1	11.55					
			1	15.40					
	F/s of Temple		1	9.50					
	Around Tree		1	11.30					
	For Children play Equipment Platform		2	7.00					
			1	9.00					
			Total	117.15	Mtr				
		117.15/0.45		260.33	Nos		260.33		
				Total Quantity			260.33		
				Schedule B Quantity			72.00		
				Quantity Up to 125%			90.00	390.00	35100.00
				Quantity Above 125%			170.33	390.00	66430.00

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Sl No	Description of work	Unit	No	Dimensions			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
20	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force there by forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS								
	SR : 2018-19 Page No : 103		Item No : 14.6						
		Sqm							
	New Cobble Stones								
	In between Temples		1	9.00	3.52		31.68		
	F/S of Muneshwara Temple		1	14.80	9.10		134.68		
	Deduct		-1	1.70	1.60		-2.72		
			-1	0.85	0.80		-0.68		
			-1	1.80	2.30		-4.14		
			-1	4.20	1.75		-7.35		
	F/S of Akkayamma Temple		1	14.50	3.35		48.58		
	Deduct		-1	1.00	1.00		-1.00		
			-1	1.20	1.10		-1.32		
			-1	1.05	1.20		-1.26		
	F/S of School								
	Temple Side		1	22.70	3.75		85.13		
	Middle		1	22.70	6.75		153.23		
	Piece		1	1.65	1.00		1.65		
			1	4.20	2.55		10.71		
			1	4.60	0.60		2.76		
	Kitchen Room Side		1	7.10	3.70		26.27		
			1	6.20	2.30		14.26		
			1	3.30	1.30		4.29		
			1	2.00	1.50		3.00		
			1	5.40	1.10		5.94		
	Piece at Entrance		1	4.00	5.25		21.00		
			0.5	6.50	4.40		14.30		
			1	1.45	1.40		2.03		
							541.03		
	Damaged Portion 20%						56.56		
				Total Quantity			597.59		
				Schedule B Quantity			765.72		657349.0
				Quantity Up to 125%			597.59	1100.00	657343.50
21	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free endsshall be welded to the pole and block pipe at top and bottom asrequired including cost of all materials, labour, lead and lifts and as per thedirections of the Engineer-in-charge of work including two coats of approvedquality paint over one coat o f shop paint, including cost of materials, labour,HOM complete as per specifications.								
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